BULLETIN

OF THE

ESSEX INSTITUTE.

VOL. 4. SALEM, MASS., APRIL, 1872. NO. 4.

One Dollar a Year in Advance. 10 Cents a Single Copy.

REGULAR MEETING, MONDAY, MARCH 4TH, 1872.

[*Continued.*]

STORMS.

In observations on an approaching storm the elevation of 6,000 feet is important, inasmuch as the observer is above the lower strata, the "storm-scud." Here he may note the changes in kind and relative position of the several cloud strata from the moment the storm is seen along the western horizon, two hundred miles distant, till it shall envelop the lofty peak of Mount Washington. The elevation of a storm moving east can be seen as far distant as New York City.

When condensation advances but little faster than the storm line, it is a more interesting study than when the condensation is going on for days, and over a wide extent of country at the same time. If rapid and with the storm, we notice at an immense height the "polar bands" of cirrus, lower, cirro-stratus, or cirro-cumulus. From

the first until it breaks on us, the progressive movement is traced on a north and south line—west of that line is the storm—east, fair weather; the upper current precedes somewhat the lower stratus, or "scud." When the line is within a hundred miles we see this more plainly. The under current of stratus—a condensation in advance of the storm—is gradually spreading out on every side. Towards night the prominent landmarks are hidden from view. We can see that the lower stratus current is running under the advancing cloud. The cloud shuts down upon the mountain, all about us an easterly storm is raging, here it is a southwesterly or westerly one.

A storm presenting its southern side to us is not so interesting, as it condenses most rapidly on this side. On the summit there are sometimes southeasterly storms, but seldom one north of east. The great storm of October 4th, 1869, was from this direction, as was one short but severe gale and heavy rain of March last.

AURORA BOREALIS.

We witnessed many fine Auroras, but no new facts regarding them are on record. It is to be regretted that we were not prepared to observe to some extent, electrical phenomena, particularly in connection with auroral storms. The only peculiar features noticed were the apparent nearness to the earth of the auroral waves, as a rule; and three times, displays when the moon was past the first quarter. Our line, or our end of the line, gave us much trouble at such times. With the insulated wire of the mountain station three miles in length, there is afforded an opportunity for the study of electric currents in the terrestrial strata as well as atmospheric currents such as is seldom offered. The mountain is a gigantic insulator, no "ground" being obtainable on the summit.

I had an opportunity of observing in our line the effects of the thunder showers of the 21st of May. Being alone, I could not pay that attention to the several phenomena which I desired. We had a very sensitive compass which we used as a galvanometer. The oscillations of the needle were followed by a report of distant thunder. As the shower was fifteen or twenty miles distant, several seconds elapsed between the deviation of the needle and the report. The instruments were not "cut out" at first so that I obtained simultaneously with the oscillation of the needle, the click of the armature. I could now time the oscillations of the barometer. These I found to correspond to the oscillations of the needle in time and amount with the intensity of the current. I did not continue these experiments long from fear of injury to the instrument, and possibly injury to myself.

The next day there was a succession of showers, with one at noon on the summit continuing an hour, during which time the depot was struck five times. Early in the morning, I had taken the precaution to connect the rails by an iron bar, and this I think saved the building from damage. It is said that, since the road was completed, scarcely a day passes, when there are not electrical discharges on the mountain, but that many of these seek the track, as the best conductor, following it to some point near the river at the terminus. In view of the terrible results attending mountain thunder storms, to those so unfortunate as to encounter them, of which we have accounts of large parties perishing together by a single discharge of electric fire, we might be surprised to learn that no harm was ever done buildings or persons on Mount Washington, although the hotel has more than once been struck. Is

not this exemption due to the fact that the summit is insulated? and that the electric current seeks a more favorable path to the earth? I have noticed repeated discharges earthward, over Raymond's Cascade, in the Great Gulf in a single shower.

AQUEOUS PHENOMENA.

It frequently rains at a temperature of 28° and at times with even a lower reading. It is not uncommon for it to snow furiously when the reading is as high as 37.° The warm waves descending to the level of the summit bring rain even in January. Owing to the violence of the wind, measurements of rain and snow are practically useless. Although the fall of snow is very great, rarely more than two or three feet lie long. The quantity held in suspension during a gale is astonishing. From November to April it is, that of all high Alpine regions, a dry impalpable powder. A snow-flake mentioned in the Press telegram of January 8th as "new," which was the cause of considerable merriment to a certain class of public journals, may be described as pyramids of six sides base depressed with the sides corresponding to the exterior. It seems that Capt. Parry saw this form of snow-flake in one of his voyages and described it in his report.

Of the frost formations, very beautiful, the highest charm of winter mountain scenery, it is only necessary to remark, that the forms are due to certain conditions of the wind, and that it is built up by aggregations of minute specilia of ice, the condensation of vapor at an extremely low temperature. Doubtless electricity plays an important part in the work, as it is only with westerly winds that it forms.

At a higher temperature than that necessary for the frost formation, ice makes on the rocks and surface of the

snow, a solid blue ice. This disappears during high north-west gales as the cold, dry N. W. wind, full of positive electricity sweeps over the mountains. Late in December a singular ice formation was discovered. I have searched meteorological works for a description, but have not yet found whether it is known or not. It is a transparent ice on the surface of rocks: cellular in structure, the cells mainly hexagonal, some triangular and a few of an indefinable form. The cells averaged about .25 inches in depth by .15 to .20 of an inch in breath.

To sum up results, we may add that mountain observatories are of the highest importance in the elucidation of climatological problems. The advantages secured are of direct, practical benefit in the daily forecasts of storms. Let the signal Office establish them, wherever practicable, throughout the country, and meteorology will be advanced shortly to the dignity of a science, a claim hardly compatible with the facts at the present time.

After Mr. Nelson had concluded the reading of his interesting communication, the following votes were unanimously adopted:—

Voted, That the Secretary be requested to tender to Hon. Judge Putnam of the Superior Court, the thanks of the Essex Institute for his interesting and instructive lecture delivered at our last meeting, giving a very vivid and graphic account of his visit to Ober-ammergau during the performance of the Passion Play in the summer of 1871.

Voted, That the Secretary be requested to transmit to Mr. S. A. Nelson of Georgetown the thanks of the Essex Institute for his interesting communication, giving a clear and succinct account of the results of the meteorological observations made during a residence on the top of Mount Washington in the winter of 1870–71.

Adjourned.

Regular Meeting, Monday, March 18th, 1872.

The President in the chair. Records of preceding meeting read.

The Secretary announced the following correspondence :—

From Pennsylvania Historical Society, Mch. 7; Charles C. Abbott, Trenton, N. J., Mch. 15; J. M. Caller, Salem, Mch. 14; Henry Cook, Boston, March 11; Robert Howell, Nichols, Tioga Co., N. Y., Feb. 7; E. M. Stone, Providence, R. I., Mch. 12; William H. Yeomans, Columbia, Conn., March 4.

The Librarian announced the following additions :—

By Donation.

Abbott, C. C., of Trenton, N. J. The Works of Thomas Chalkley. 1 vol. 8vo. Phila. 1749. Printed by B. Franklin & D. Hall.

American Philological Association. Proceedings of the Third Annual Session held at New Haven, Conn., July, 1871. 8vo pamph.

Bolles, E. C. Address by Rob't B. Fairburn in Hartford, Conn., July 12, 1871. 8vo pamph. Assay of Gold and Silver by Thomas M. Blossom. 12mo pamph.

Butler, B. F., M. C. Frelinghuysen's Speech in U. S. Sen., Feb. 26, 1872.

Foote, Caleb. Files of several County papers for Jan., Feb., Mch., 1872.

Green, S. A., of Boston. Miscellaneous pamphlets, 11.

Ives, Mrs. Benj. H. True Chri-tian Religion. 1 vol. 8vo. Boston. 1833. New Jerusalem Magazine. 2 vols. 8vo. Boston. 1833-4. Liberal Preacher. 1 vol. 8vo. Sermons by Rev. A. Bancroft. 1 vol. 8vo. Worcester. 1822. American Journal of Geology and Natural Science. 1831. 1 vol. 8vo. Analogy of Religion. 1 vol. 8vo. Hartford. 1819. Bible News. 1 vol. 8vo. Boston. 1812. Worship and Love of God. 1 vol. 12mo. Naturalists' Pocket Book. 1 vol. 12mo. Unitarian Miscellany. 1 vol. 12mo. Insect Architecture. 1 vol. 16mo. Insect Transformation. 1 vol. 16mo. Formation of the Christian Character. 1 vol. 18mo. Times of the Saviour. 1 vol. 16mo. Christian Monitor. 1 vol. 18mo. Alphabet of Insects. 1 vol. 18mo. History of Insects. 1 vol. 16mo. New Church Doctrine. 1 vol. 12mo. The Pursuit of Knowledge. 1 vol. 12mo.

Packard, A. S., Jr. The Development of Limulus Polyphemus by donor.

Riches, W. S., of Columbus, Ohio. Cincinnati Directories for 1857-8. 2 vols. 8vo. Ohio State Register. 1857. 1 vol. 8vo. C. C. C. and I. R. R. Gazetteer. 1870-1. 1 vol. 8vo. Columbus Directories. 1855, 1867-8, 1869-70.

State Board of Health of Massachusetts. Third Annual Report. Jan. 1872. 8vo pamph.

Sumner, Charles, of U. S. Senate. Speech of, in U. S. Senate. Feb. 28, 1872.

U. S. Library of Congress. Catalogue of Books added to the Library of Congress in 1870. 1 vol. 4to. Congressional Directory, 42d Congress, 2d Session. 8vo pamph.

Yeomans, Wm. H., of Columbia, Conn. Public and Private Acts and Resolutions of Conn. for 1842-1864. Miscellaneous pamphlets, 48.

By Exchange.

American Antiquarian Society, Worcester. Proceedings of, Oct. 21, 1871. No. 57. 8vo pamph.

New Jersey Historical Society. Proceedings of, Vol. II. No. 4. 1871.

New York Lyceum of Natural History. Annals of. Vol. X., Nos. 4-5.

Publishers. American Naturalist. Christian World. Gardner's Monthly. Gloucester Telegraph. Haverhill Gazette. Ipswich Chronicle. Essex County Mercury. Lawrence American. Little Giant. Lynn Reporter. Lynn Transcript. Medical and Surgical Reporter. Nation. Nature. Peabody Press. Sailors' Magazine and Seamen's Friend. Salem Observer. Shoe and Leather Journal. Sotheran's Catalogue. Western Lancet.

ESSEX COUNTY SPIDERS.

J. H. Emerton exhibited his collection of spiders from the neighborhood of Salem and gave a general account of the classification of spiders, illustrated by sketches of some of our common species. The collection contained some eight hundred specimens, representing one hundred and sixty species of the following suborders :—

Orbitelariæ (round web spiders)	29	species.
Retitelariæ (net spiders)	33	"
Tubitelariæ (tube spiders)	43	"
Citigradæ (wolf spiders)	19	"
Saltigradæ (jumping spiders)	20	"
Laterigradæ (crab spiders)	16	"

The Orbitelariæ were represented by the large black and yellow *Epeira riparia* Hentz, one of our most conspicuous spiders which can hardly escape the notice of any one who goes into the country in August, by *Epeira vulgaris*, the brown and gray spider, which spins round webs everywhere about our yards and barns, *Epeira trifolium*, one of our largest *Epeiras*, with round purple abdomen marked with white spots, and the less familiar species with thorny and odd shaped abdomens, *Epeira stellata* and *spinea*.

Among the Retitelariæ were *Theridion vulgare* Hentz, perhaps the most common of all our house spiders whose webs occupy the corners of our rooms at all seasons, and

our common *Linyphia marmarata*, *L. communis*, and *L. costata*, conspicuous by their bright colors and curious and complicated webs.

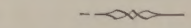
Of the Tubitelariæ perhaps the most familiar was the common *Agelena nævia* Hentz, whose webs are seen on dewy mornings almost covering the grass in our fields, each web sloping toward a tube in which the spider waits.

Among the Citigradæ were some specimens of *Lycosa Carolinensis* Hentz, the largest of the group, whose feet extend over three inches. One of these was caught in Saugus and another in Andover.

The Saltigradæ were represented by our little gray jumping spider, *Epiblemum faustum* Hentz, which is seen on walls in the sunshine running with equal facility backward, forward or sideways, and our large gray *Attus* which may be found at almost any season, in thick white cocoons under stones.

The Laterigradæ included the large white *Thomisus fartus* Hentz, which lives on flowers in gardens and is often brought into the house upon them, and the dingy gray *Thomisus vulgaris* Hentz, so common on fences, where it can hardly be distinguished from unpainted wood.

The collection was arranged in tube bottles which were pinned by the corks in trays.



Regular Meeting, Monday, April 1st, 1872.

The President in the chair. Records of preceding meeting read.

The Secretary announced the following additional correspondence :—

From Henry A. Breed, Lynn, Mch. 20; J. J. H. Gregory, Marblehead, Mch. 20; J. C. Holmes, Detroit, Mich., March 18; Yeomans, William H., Columbia, Conn., March 22; Augsburg Naturhistorischer Verein, Dec. 4; Bern, Die Naturforschende Gesellschaft, Dec.; Boston Public Library, March 18, 22; Cincinnati Public Library, Mch. 20, 27; Konigsberg, Physikalisch oeconomische Gesellschaft, Dec. 10; Lisbonne, Academie Royale des Sciences, Oct. 5; Mans, Société d' Agriculture Sciences et Arts, Nov. 20; Neuchatel, Société des Sciences Naturelles, Nov. 24; Wien, Kaiserliche Akademie, des Wissenschaften, Jan'y 7; Zurich, Naturforschende Gesellschaft, Aug. 18.

The Librarian reported the following additions :—

By Donation.

Bolles, E. C. Address of J. A. Bolles, L.L.D., delivered at the fiftieth Annual Commencement of the National Medical College, Mch. 7, 1872.

Brooks, Henry M. Tristram Shandy, 3 vols. 16mo. Vicar of Wakefield, 1 vol. 16mo. Management of the Tongue, 1 vol. 16mo. Poetical Works of Oliver Goldsmith, 1 vol. 16mo., Histoire de Charles XII, 1 vol. 16mo. Federal Calculator, 1 vol. 12mo. Triumphs of Temper, 1 vol. 16mo. Trials of a School Girl, 1 vol. 16mo. Handbook i Takling, 1 vol. 12mo. Prophecy of Dante, 1 vol. 16mo. Lara, 1 vol. 16mo. Miscellaneous pamphlets, 12.

Butler, B. F., of U. S. H. R. Carpenter's Speech in U. S. Sen., Feb. 29, 1872. Report of the Department of Agriculture for Feb., 1872. Harlan's Speech in U. S. Sen., Feb. 28, 1872.

Cabot, Joseph S. American Turf Register, 9 vols. 8vo. Scriptores Romani, 21 vols. 12mo. Southern Review, 5 vols. 8vo. New York Review, 8 vols. 8vo. Mass. Register & U. S. Calendar, 1808–1838, 35 vols. 16mo. Universal Magazine, 3 vols. 8vo. Henry's Chemistry, 2 vols. 12mo. Stewart on the Mind, 1 vol. 8vo. Southern Review, 5 nos. New York Review, 4 nos.

Department of the Interior, Washington, D. C. Statistics of Population. Ninth Census, 1870. Tables I–VIII. 1 vol. 4to.

Holmes, John C., of Detroit, Mich. Twentieth Annual Report of the Board of Water Commissioners of Detroit for 1871.

Levette, G. M., of Indianapolis, Ind. Geological Survey of Indiana by E. T. Cox, 1 vol. 8vo.

Little, Brown & Co., of Boston. Divinity of Christ, 1 vol. 16mo. Boston, 1872.

Neal, Theo. A. Fleet's Almanack, 1792. 1 vol. 16mo. Postes de France, 1785. 1 vol. 16mo.

Secretary of State of Mass. Mass. Public Documents for 1870, 4 vols. 8vo. Acts and Resolves of Mass. passed in 1871, 1 vol. 8vo.

Unknown. Annual Report of the Selectmen of Wenham. Year ending Feb. 16, 1872. Annual Report of the School Committee of Wenham. Year ending Mch., 1872.

Woodman, Cyrus, of Cambridge. Records of the Proprietors of Narraganset Township, No. I (now the Town of Buxton), 1733-1811. 1 vol. 8vo. Privately printed.

By Exchange.

Archiv der Anthropologie (Hrsg V. A. Ecker, L. Lindenschmit) in Braunschweig. Band V, Heft 1. 4to pamph. 1871.

Crosse et Fischer. Journal de Conchyliologie. 3e Série. Tome xi. No. 4.

Institut National Genevois in Genève. Bulletin, No. 35, Vol. xvi, pp. 225 385. 1870.

KONIGLICH PHYSIKALISCH-ÖKONOMISCHE GESELLSCHAFT IN KÖNIGSBERG. Schriften, 1860-1870, inc. 16 pamphlets. 4to.

MASS. AGRICULTURAL COLLEGE, Amherst. Ninth Annual Report of the Trustees of. Jan., 1872.

MINNESOTA HISTORICAL SOCIETY. Annual Report of, 1871.

NATURFORSCHENDE GESELLSCHAFT IN BERN. Mittheilungen, No. 711-744, 1871.

NATURFORSCHENDE GESELLSCHAFT IN FREIBURG. Fortschrift herausgegeben zur Feier des fünfzig jahrigen Jubliläums.

NATURFORSCHENDE GESELLSCHAFT IN ZURICH. Vierteljahrsschrift, Jahrg. xv. 1870. 4 pamphlets, 12mo.

NATURHISTORISCHER VEREIN IN AUGSBURG. Bericht, 1871.

PHYSIKALISCH-MEDICINISCHE GESELLSCHAFT IN WÜRZBURG. Verhandlungen Neue Folge, ii Band, 3 Heft.

SOCIÉTÉ D'ACCLIMATION. Bulletin Mensuel, Tome viii, 2me. Série Jan.-Nov., 1871. 6 pamphlets, 8vo. La Production Animale et Vegetale, 8vo pamph.

SOCIÉTÉ DES SCIENCES NATURELLES IN NEUCHATEL. Bulletin, Tome ix, 1er Cahier.

PUBLISHERS. American Chemist. Essex County Mercury. Gloucester Telegraph. Haverhill Gazette. Ipswich Chronicle. Lawrence American. Little Giant. Lynn Reporter. Lynn Transcript. Medical and Surgical Reporter. Nation. Nature. Peabody Press. Salem Observer.

Mr. JAMES KIMBALL read a copy of a contract, which he had found among the county records, between an inhabitant of Salem and the town of Saybrook, Conn., the former to furnish the latter with a pair of colors for the military company of the town in 1675.

Thes presents witness y^{t} I, Samuel Crampton of Salem, doe ingage to furnish y^{e} towne of Saybrook, in y^{e} county of New London, with a pr of collures fitt for y^{e} company; of dubble sarsnet, red, with a white field to shew the red cross; a flag staf and tassells sutable. To be sent the first opportunity after the first of May next, & upon y^{e} receipt whereof wee, whose names are underwritten, doe ingage to pay unto y^{e} sd Samuel Crampton, or his order, the sum of five pounds in pease & rye at three shillings per bushel, provided y^{t} y^{e} sd collures be of y^{e} sd kind, one & three quarters on y^{e} staff, two yds. & one quarter florish, with a blew ball in y^{e} sd collures, which sd paiment is to be made at or before the first day of Oct. next insuing y^{e} date hearof, as witness our hands this 30th March, 1675.

WILLIAM PRATT,
ABRAHAM POST.

I underwritten doe bind myselfe & heires to pay or cause to be paid to Samuel Crampton of Salem or his assigns the just sum of four pounds & Six pence in pailes at 10s. a dozen, & half bushels at 20s. per dozen, to be delivered at Middleton at y^e^ landing place by Goodman Seaseage at or before the last of Sept. after y^e^ date herof.
March 27, 1675.

JOHN WILLOCK.

I underwritten bind myselfe & heires to pay Samuel Crampton of Salem six bushels & one half of indian corne to be delivered at Wethersfield landing place at or before, &c. March 24, 1675.

SAMUEL BUTLER.

Nathaniel Graye also binds himself to pay the same as Samuel Butler.

Entered as a memorandum or caution per me Hillard Veren, Recorder, this 23 d. 8 mo., :76.
Reg. Deeds, Book 4, Leaf 414.

The red cross with which this banner was to be provided called up the story of Endicott and the red cross as graphically related by Hawthorne in his "Twice Told Tales,"—the act of Endicott, in tearing the cross from the banner, showing his republican instinct was bold and defiant. The Massachusetts Records were also quoted, showing the action of the General Court then held at "New Towne," censuring Endicott for his act, and prohibiting him from holding office for a year. He protested against the action, and it was then voted that he be committed for contempt in protesting; but, upon an acknowledgment of his offence, he was dismissed. These records constitute the foundation of Hawthorne's graphic story. It was that spirit of liberty which was abroad in Massachusetts and which, from time to time, thus cropped out,

that caused, at the hands of the mother country, the imposition of those oaths of allegiance required of all judicial officers, sheriffs and other officials in the provincial period of our history. The following were read, as illustrations of the same:—

OATHS APPOINTED TO BE TAKEN INSTEAD OF THE OATHS OF ALLEGIANCE AND SUPREMACY: AND DECLARATION.

I *A. B.* Do sincerely Promise and Swear, That I will be faithful and bear true Allegiance to His Majesty *KING GEORGE.*

So Help me GOD.

I *A. B.* Do Swear, That I do from my Heart, abhor, detest and abjure as Impious and Heretical, that damnable Doctrine and Position, that Princes Excommunicated, or deprived by the *Pope* or any Authority of the *See of Rome*, may be Deposed or Murthered by their Subjects, or any other whatsoever; And I do declare that no Forein Prince, Person, Prelate, State or Potentate, hath or ought to have any Jurisdiction, Power, Superiority, Preeminence or Authority, Ecclesiastical or Spiritual, within the Realm of GREAT BRITAIN.

So Help me GOD.

I *A. B.* Do solemnly and sincerely in the presence of GOD, Profess, Testify and Declare, That I do believe that in the Sacrament of the LORDS SUPPER, there is not any Transubstantiation of the Elements of *Bread* and *Wine* into the *Body* and *Blood* of CHRIST, at or after the Consecration thereof by any Person whatsoever: And that the Invocation or Adoration of the Virgin *Mary*, or any other Saint, and the Sacrifice of the *Mass*, as they are now used in the Church of *Rome*, are Superstitious and Idolatrous. And I do solemnly in the Presence of GOD, Profess, Testify and Declare, That I do make this Declaration and every part thereof, in the plain and ordinary sense of the Words Read unto me, as they are com-

monly understood by *English Protestants*, without any Evasion, Equivocation or mental Reservation whatsoever; and without any Dispensation already granted me for this purpose by the *Pope* or any Authority or Person whatsoever; or without any Hope of any such Dispensation from any Authority or Person whatsoever, or without Thinking that I am or can be acquitted before GOD or Man, or absolved of this Declaration or any Part thereof, although the *Pope* or any other Person or Persons or Power whatsoever, should dispense with or annul the same, or declare that it was null and void from the beginning.

JOS. WOLCOT.

SALEM, y^e^ 26th of March, 1722.

Josiah Wolcot, Esq., personally appearing, took the several Oaths of Allegiance & Supremacy & subscribed the above Declaration with the Oath of Abjuration. And also was sworn to the due performance of his office of one of the Justices of his Maj'tys Peise & Court of Comon Pleas for the County of Essex. Taken before us,

BENJ. LYNDE, } of his Majesty's Council.
JOHN TURNER, }

THEOPHILUS BURRILL.

Jurat the 21st day of May, 1722.

Before us, BENJ. LYNDE, } of his Majesty's Council.
JOHN TURNER, }

WM. GEDNEY.

SALEM, Essex, ss.

Jurat the 19th day of July, 1722.

Cor. BENJ. LYNDE, } of his Majesty's Council.
JOHN TURNER, }

JOHN WILLIAMS.

ESSEX, ss, Salem, the 7th of Aug't, 1722.

Mr. John Williams personally appearing took the several Oaths & Declarations above, with the Oath of Abju-

ration & was also Sworn to his Office of Deputy Sheriff of the County of Essex.

Before us, BENJ. LYNDE, JOHN TURNER, } of his Majesty's Council.

I *A. B.* Do truly and sincerely Acknowledge, Profess, Testifie and Declare in my Conscience, before GOD and the World, That Our Sovereign Lord KING *GEORGE* is Lawful and Rightful KING of the Realm of *Great Britain* and of all other His Majesties Dominions and Countries thereunto belonging; (And I do solemnly and sincerely Declare, That I do believe in my Conscience, that the Person pretended to be Prince of *Wales* during the Life of the Late King *James*, and since his decease pretending to be, and taking upon himself the Stile and Title of King of *England*, by the name of *James the Third*, hath not any Right or Title whatsoever to the Crown of the Realm of *Great Britain*, or any other the Dominions there-to belonging; And I do Renounce, Refuse and Abjure any Allegiance or Obedience to him.) And I do Swear, That I will bear Faith and true Allegiance to KING *GEORGE*, and Him will Defend to the utmost of my Power, against all Traiterous Conspiracies and Attempts whatsoever against His Person, Crown, or Dignity; And I will do my utmost endeavor to disclose or make known to His Majesty and His Successors, all Treasons and Traiterous Conspiracies which I shall know to be against Him or any of them; And I do faithfully promise to the utmost of my Power, to Support, Maintain and Defend the Limitation and Succession of the Crown (against him the said *James*, and all other Persons whatsoever) as the same (by an Act, Intituled, *An Act for the further Limitation of the Crown, and better Securing the Rights and Liberties of the Subject*) is and stands limited to the Princess *Sophia*, Electress and Dutchess-Dowager of *Hanover*, and the Heirs of Her Body, being Protestants. And all these Things I do plainly and sincerely Acknowledge and Swear, according to these express words by me Spoken, and according to the Plain and Common Sense and Understanding of the

same Words, without any Equivocation, Mental Evasion, or Secret Reservation whatsoever. And I do make this Recognition, Acknowledgment, Abjuration, Renunciation and Promise, Heartily, Willingly and Truely, upon the true Faith of a Christian.

So Help me G O D.

JOS. WOLCOT.

Capt. the 26 : of March, 1722.

Cor. BENJ. LYNDE, JOHN TURNER, } of his Majesty's Council.

THEOPHILUS BURRILL.

Jurat the 21th day of May, 1722.

Before us, BENJ. LYNDE, JOHN TURNER, } of his Majesty's Council.

WM. GEDNEY.

ESSEX, ss, Salem, 19th of July, 1722.

Jurat, Cor.

BENJ. LYNDE, JOHN TURNER, } of his Majesty's Council.

JOHN WILLIAMS.

ESSEX, ss, Salem, the 7th of Aug't, 1722.

Mr. John Williams took the above Oath before us,

BENJ. LYNDE, JOHN TURNER, } of his Majesty's Council.

Mr. F. W. PUTNAM read a communication from Commodore B. F. Sands of the United States Naval Observatory requesting the several scientific societies to memorialize congress for an appropriation to defray the expenses for a due observation of the Transit of Venus in December, 1874.

Referred to a committee consisting of Messrs. Kimball, Upham, and the chair to report at the next meeting.

Adj.

Regular Meeting, Monday, April 15, 1872.

President in the chair. Records read.

The Secretary announced the following correspondence :—

From George Derby, Boston, April 3; J. Munsell, Albany, April 6; D. Van Nostrand, New York, April 8; Baltimore, Peabody Institute, April 4; Boston Public Library, April 2; Buffalo Historical Society, April 3; Cincinnati Public Library, April 3, 4; Minnesota Historical Society, April 9; New Jersey Historical Society, Mch. 30; New York Lyceum of Natural History, April 8; Ohio Historical and Philosophical Society, April 5.

The Librarian reported the following additions :—

By Donation.

Board of Public Charities, Phila., Penn. Second Annual Report, 1871. 1 vol. 8vo.

Department of the Interior, Washington, D. C. Statistics of Wealth, Taxation and Public Indebtedness. 4to pamph. 1871.

Foster, John, Boston. History of the Foster Family, of Ipswich. 1 vol. 8vo.

Garfield, J. A., M. C. Smithsonian Report, 1870. 1 vol. 8vo.

Munsell, Joel, of Albany, N. Y. Chips for the Chimney Corner. 1 vol. 16mo. Miscellaneous pamphlets, 28.

Office of the Chief of Engineers, U. S. A. Report of the Chief of Engineers, 1871. 1 vol. 8vo.

Parker, Wm. B. A Golden Chaine, or the Description of Theologie. 1 vol. 4to London. 1635.

Peabody Library, of Georgetown, Mass. Report of the Trustees, 1872.

Perry, Rev. W. S., of Geneva, N. Y. Papers relating to the History of the Church of Pennsylvania, 1680-1778. 1 vol. 4to. Privately printed.

Sheppard, John H., Boston. Sketch of Commodore Sam'l Tucker and Description of the New Masonic Temple in Boston. 8vo pamph. 1872.

By Exchange.

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